

## ABSTRACT

The insulation of conductors comprised of litz wires of an electric machine should be improved for certain applications. To this end, the litz conductors of an electric machine are insulated by means of extrusion. A litz wire comprised of a multitude of filaments (1) is surrounded in a simple manner by an insulation (2) that completely insulates the litz wire from the surroundings. The spaces between the individual filaments (1) are preferably filled with a thermoconductive material also by means of extrusion.